

FILEID**GSLU

K 8

GTA
V04

```
1      0 MODULE gslu ( IDENT = 'V04-000'  
2      0 XBLISS32[, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,  
3      0 NONEXTERNAL = LONG_RELATIVE)]  
4      ) =  
5      BEGIN  
6      *****  
7      *  
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25     *  
26     *  
27     *  
28     *  *****  
29     *  
30     *++  
31     *  FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS  
32     *  
33     *  ABSTRACT:  
34     *  
35     *  Collect an unbroken sequence of letters, converting  
36     *  all letters to uppercase.  
37     *  
38     *  ENVIRONMENT: Transportable  
39     *  
40     *  AUTHOR: R.W.Friday    CREATION DATE: April, 1978  
41     *  
42     *
```

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V04-000

Revision History

M 8
16-Sep-1984 00:43:09 VAX-11 Bliss-32 v4.0-742 Page 2
14-Sep-1984 13:06:39 DISKS\$VMSMASTER:[RUNOFF.SRC]GSLU.BLI;1 (2)

44 0043 1 %SBTTL 'Revision History'
45 0044 1
46 0045 1 MODIFIED BY:
47 0046 1
48 0047 1 002 RER00002 Ron Randall 07-Mar-1983
49 0048 1 Global edit of all modules. Updated module names, idents,
50 0049 1 copyright dates. Changed require files to BLISS library.
51 0050 1
52 0051 1 --
53 0052 1

Module Level Declarations

N 8
16-Sep-1984 00:43:09
14-Sep-1984 13:06:39
VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]GSLU.BLI;1 Page 3
(**)

```
: 55      0053 1 XSBTTL 'Module Level Declarations'  
: 56      0054 1  
: 57      0055 1 |  
: 58      0056 1 | TABLE OF CONTENTS:  
: 59      0057 1 |  
: 60      0058 1 | INCLUDE FILES:  
: 61      0059 1 |  
: 62      0060 1 LIBRARY 'NXPORT:XPORT';           ! XPORT Library  
: 63      0061 1 REQUIRE 'REQ:RNODEF';             ! RUNOFF variant definitions  
: 64      0192 1  
: 65      U 0193 1 %IF DSRPLUS %THEN  
: 66      U 0194 1 LIBRARY 'REQ:DPLLIB';          ! DSRPLUS BLISS Library  
: 67      0195 1 %ELSE  
: 68      0196 1 LIBRARY 'REQ:DSRLIB';            ! DSR BLISS Library  
: 69      0197 1 %FI  
: 70      0198 1  
: 71      0199 1 |  
: 72      0200 1 | EXTERNAL REFERENCES:  
: 73      0201 1 |  
: 74      0202 1 EXTERNAL  
: 75      0203 1   KHAR;  
: 76      0204 1
```

```
78 0205 1 GLOBAL ROUTINE GSLU (INPUT_STRING, OUTPUT_STRING) =
79 0206 1
80 0207 1 ++
81 0208 1 FUNCTIONAL DESCRIPTION:
82 0209 1
83 0210 1 GSLU processes an unbroken sequence of letters,
84 0211 1 stopping when 1) a non-letter is found, or
85 0212 1 2) the end of IRA is reached, or
86 0213 1 3) OUTPUT_STRING is about to overflow.
87 0214 1 ALL letters encountered are transferred to OUTPUT_STRING
88 0215 1 after being first converted to upper case.
89 0216 1
90 0217 1 FORMAL PARAMETERS:
91 0218 1
92 0219 1 INPUT_STRING is the string to be scanned.
93 0220 1 The collected string of letters is left in OUTPUT_STRING.
94 0221 1
95 0222 1 IMPLICIT INPUTS: None
96 0223 1
97 0224 1 IMPLICIT OUTPUTS: None
98 0225 1
99 0226 1 ROUTINE VALUE:
100 0227 1 COMPLETION CODES:
101 0228 1
102 0229 1 See GSLUCC.REQ for completion codes returned.
103 0230 1
104 0231 1 SIDE EFFECTS: None
105 0232 1 --
106 0233 1
107 0234 2 BEGIN
108 0235 2 MAP
109 0236 2 OUTPUT_STRING : REF FIXED_STRING;
110 0237 2 BIND
111 0238 2 IRA = INPUT_STRING : REF FIXED_STRING;
112 0239 2
113 0240 2 WHILE 1 DO
114 0241 2 BEGIN
115 0242 3
116 0243 3 IF NOT LETTER (.KHAR) !Stop on a nonletter.
117 0244 4 THEN
118 0245 3 RETURN (IF .FS_LENGTH (OUTPUT_STRING) EQL 0
119 0246 4 THEN GSLU_NONE ELSE GSLU_NORMAL);
120 0247 3
121 0248 3
122 0249 3 IF .FS_LENGTH (OUTPUT_STRING) EQL .FS_MAXSIZE (OUTPUT_STRING)
123 0250 3 THEN (WHILE LETTER (.KHAR) DO (KCNS ()); RETURN GSLU_TOO_LONG); !Throw away excess letters.
124 0251 3
125 0252 3
126 0253 3 FS_WCHAR (OUTPUT_STRING, !Convert to upper case and output the letter.
127 0254 3 (IF UPPER_LETTER (.KHAR)
128 0255 3 THEN
129 0256 3 .KHAR ELSE UPPER_CASE (.KHAR)));
130 0257 4 KCNS (); !Get next character.
131 0258 3 END !end of processing loop.
132 0259 3
133 0260 1 END; !End of GSLU
```

HEA
V04

GSLU
V04-000

Module Level Declarations

D 9
16-Sep-1984 00:43:09
14-Sep-1984 13:06:39 VAX-11 Bliss-32 v4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]GSLU.BLI;1

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(4)

0000005A	8F	09 19 000B1	BLSS	12\$
		50 D1 000B3	CMPL	R0 #90
		03 15 000BA	BLEQ	13\$
04	50	20 C2 000BC	12\$: SUBL2	#32, R0
	B2	50 90 000BF	13\$: MOVB	R0, @4(R2)
		04 A2 D6 000C3	INCL	4(R2)
		0C A4 D6 000C6	INCL	12(R4)
		66 D5 000C9	TSTL	(R6)
		09 14 000CB	BGTR	14\$
68	00G	8F 9A 000CD	MOVZBL	#RINTES, KHAR
		01 CE 000D1	MNEG	#1 (R6)
66		09 11 000D4	BRB	15\$
68	04	B5 9A 000D6	14\$: MOVZBL	@4(R5), KHAR
		A5 D6 000DA	INCL	4(R5)
		66 D7 000DD	DECL	(R6)
		FF3B 31 000DF	BRW	1\$

: Routine Size: 226 bytes, Routine Base: \$CODE\$ + 0000

: 134 0261 1
: 135 0262 1 END
: 136 0263 0 ELUDOM

: !End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	226	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Symbols -----			Pages Mapped	Processing Time
	Total	Loaded	Percent		
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	17	1	86	00:00.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:\$GSLU/OBJ=OBJ\$:\$GSLU MSRC\$:\$GSLU/UPDATE=(ENH\$:\$GSLU)
: Size: 226 code + 0 data bytes

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V04-000

Module Level Declarations

: Run Time: 00:04.7
: Elapsed Time: 00:14.0
: Lines/CPU Min: 3386
: Lexemes/CPU-Min: 15733
: Memory Used: 70 pages
: Compilation Complete

E 9
16-Sep-1984 00:43:09 VAX-11 Bliss-32 V4.0-742

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0342 AH-BT13A-SE
VAX/VMS V4.0

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